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Technical drawing of a component showing three views: top, side, and bottom. The top view is a square with rounded corners and a central circular feature. The side view shows a cross-section with dimensions: .842 MAX, .390 MAX, .075/.102, .285 MIN, and a hole diameter of .045. The bottom view is a square with rounded corners and a central circular feature. Callouts 4, 5, 6, and 7 are present.

1. CONNECTOR MEETS OR EXCEEDS THE REQUIREMENTS OF MIL-DTL-38999/21, SERIES III, WHERE APPLICABLE.

2. CONNECTOR OUTLINE AND PHYSICAL DIMENSIONS SHALL BE AS SPECIFIED IN MIL-DTL-38999/21.

3 MATERIALS AND FINISHES SHALL BE AS SPECIFIED IN MIL-DTL-38999 FOR CLASS Y, SERIES III, EXCEPT AS SPECIFIED HEREIN.

4. THE PC TERMINATION OF ALL CONTACTS SHALL BE HOT TIN DIPPED USING SN60 OR SN63 AND MEET DIA SHOWN AFTER TIN DIPPING. THE MINIMUM PIN LENGTH FOR SOLDER COVERAGE SHALL BE AS SPECIFIED.

5. THE PC TERMINATION OF ALL CONTACTS SHALL BE SUITABLY FINISHED TO MEET THE SOLDERABILITY REQUIREMENTS OF METHOD 208, MIL-STD-202.

6. THE CONNECTOR SHALL BE SUPPLIED WITH AN ALIGNMENT SLEEVE TO PREVENT DIS-PLACEMENT OF PINS DURING SHIPPING AND PROVIDE POSITIONING OF PINS WHEN MOUNTING TO PCB BOARDS.

7. THE (Ø.045) STEP ON THE PIN IS OPTIONAL WITH THE MANUFACTURER.

MILITARY CONNECTOR PART NUMBER (REF)	HIRELCO CONNECTOR PART NUMBER	MIL-STD-1560 INSERT ARR.	POLARIZATION	NO. OF CONTACTS
D38999/21YE35AN	50046Y-17-35AN-A48	17-35	NORMAL	55 <u>1</u> /
D38999/21YH35AN	50046Y-23-35AN-A48	23-35	NORMAL	100 <u>2</u> /
D38999/21YH35AA	50046Y-23-35AA-A48	23-35	A	100 <u>2</u> /

1/ PLATED ALLOY 52 CONTACTS IN ALL POSITIONS EXCEPT POSITION 3 SHALL BE ALUMEL AND POSITION 7 SHALL BE CHROMEL. CONTACT POSITION 3 & 7 DO NOT GET PLATED ON PIN ENGAGEMENT ENDS BUT DO GET PLATING ON TERMINATIONS ENDS.

2/ PLATED ALLOY 52 CONTACTS IN ALL POSITIONS

		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± ~ .XX ± ~ ± ~ .XXX± .005			HiREL CONNECTORS INC. 780 W WHARTON DRIVE CLAREMONT CA 91711			
			APPROVALS	DATE	CONNECTOR, RECEPTACLE, HERMETIC, SQ. FLANGE MOUNT, SPECIAL, PCB PIN CONTACTS			
			DRAWN M DISHMAN	12/13/02				
			CHECKED K PAYNE	01/03/03				
		MATERIAL 3			SIZE	CODE IDENT NO.	DRAWING NO.	
			FINISH			B	34222	50046Y-**-**A* -A48
NEXT ASSY	USED ON				SCALE	NONE	16662	SHEET 1 OF 1
APPLICATION		DO NOT SCALE DRAWING						

ENVELOPE

HiREL CONNECTORS INC
760 W WHARTON DRIVE
CLAREMONT CA 91711

CONNECTOR, RECEPTACLE,
HERMETIC, SQ. FLANGE MOUNT,
SPECIAL, PCB PIN CONTACTS

SIZE	CODE IDENT NO.	DRAWING NO.
B	34222	50046Y-**-**A* -A48

SCALE	NONE	16662	SHEET	1	OF	1
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